

Amendments to the Claims:

Please delete claims 1-10 and add the following new claims:

11. (New) A piston pump with a pump casing and a double operative piston that narrows the working chamber in a pump cylinder by an elevating motion and a mandatory valve control for closing of the inlet and discharge pipeline, wherein the pump casing has two bores that are parallel to the pump cylinder and that serve as inlet and discharge pipelines through the cross-hole and are each pierced by a valve rod that is provided with valves at the two ends, that impact upon a lever system that is positively controlled and force proportional and that is connected to the piston operation, and which, alternatively, after reaching the upper or lower extreme positions of the piston close the open valves and open the closed valves for the filling and ejection of the working volumes respectively, or vice versa open the closed valves and close the open valves.

12. (New) A piston pump according to claim 11, wherein the valve rods pierce the valves, the pump casing and the valve lid on one side and are connected at the end by a compensator whose end is elongated and movably connects the valve rods to the conveying lever by a plate.

13. (New) A piston pump according to claim 11, wherein the valve rods have a screw thread with a nut at the end of that side that faces the pump lid and by screwing in and out of which, the distance of the valve pairs that are located laterally reversed is decreased or increased for clearance adjustment.

14. (New) A piston pump according to claim 12, wherein the valve rods have a screw thread with a nut at the end of that side that faces the pump lid and by screwing in and out of which, the distance of the valve pairs that are located laterally reversed is decreased or increased for clearance

adjustment.

15. (New) A piston pump according to claim 11, wherein two or a larger number of piston pumps can be driven synchronously by coupling their propelling Severs to a common piston rod.

16. (New) A piston pump according to claim 12, wherein two or a larger number of piston pumps can be driven synchronously by coupling their propelling Severs to a common piston rod.

17. (New) A piston pump according to claim 13, wherein two or a larger number of piston pumps can be driven synchronously by coupling their propelling Severs to a common piston rod.

18. (New) A piston pump according to claim 14, wherein two or a larger number of piston pumps can be driven synchronously by coupling their propelling levers to a common piston rod.

19. (New) A piston pump according to Claim 15, wherein the coupling of pumps takes place through a vertical arrangement, lying one over the other in such a manner that the propelling rods can be connected directly to the cylinder under it, whereby all pumps have a common propulsion at their disposal.

20. (New) A piston pump according to Claim 16, wherein the coupling of pumps takes place through a vertical arrangement, lying one over the other in such a manner that the propelling rods can be connected directly to the cylinder under it, whereby all pumps have a common propulsion at their disposal.

21. (New) A piston pump according to Claim 17, wherein the coupling of pumps takes place through a vertical arrangement, lying one over the other in such a manner that the propelling rods can be connected

directly to the cylinder under it, whereby all pumps have a common propulsion at their disposal.

22. (New) A piston pump according to Claim 18, wherein the coupling of pumps takes place through a vertical arrangement, lying one over the other in such a manner that the propelling rods can be connected directly to the cylinder under it, whereby all pumps have a common propulsion at their disposal.

23. (New) A piston pump according to claim 15, wherein the discharge stroke can be individually modified for every coupled pump by moving its propelling rods to its propelling lever.

24. (New) A piston pump according to claim 19, wherein the discharge stroke can be individually modified for every coupled pump by moving its propelling rods to its propelling lever.

25. (New) A piston pump according to claim 20, wherein the discharge stroke can be individually modified for every coupled pump by moving its propelling rods to its propelling lever.

26. (New) A piston pump according to claim 21, wherein the discharge stroke can be individually modified for every coupled pump by moving its propelling rods to its propelling lever.

27. (New) A piston pump according to claim 22, wherein the discharge stroke can be individually modified for every coupled pump by moving its propelling rods to its propelling lever.

28. (New) A piston pump according to claim 23, wherein the discharge stroke can be individually modified for every coupled pump by moving its propelling rods to its propelling lever.